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The characters of position of lateral line and numbers of pectoral rays used by Jordan and Evermann as a clue in this group are not noted by Dr. Smitt.

D. S. J.

**Abbott on Chilean Fishes.** — Mr. James F. Abbott, a graduate student of Stanford University, now teacher in a Japanese academy at Otsu, gives in the *Proceedings* of the Academy at Philadelphia notes on fishes collected at Valparaiso by Rear-Admiral Beardslee, U. S. N. Among these is a species of *Hippoglossina macrops*, which was originally, perhaps, incorrectly recorded as from Mazatlan. There is also a new species of Sebastodes, allied to *S. oculatus* and *S. darwini*. To this Abbott gives the name of *Sebastodes jennynsi*.

D. S. J.

**Moreno on the Olfactory Nerves of Fishes.** — In the *Annals of the Natural History Society of Madrid*, José Madrid Moreno gives an account of his studies of the olfactory nerves of fishes carried on in the laboratory at Naples. The anatomy of these nerves and their terminations is described in species of Scylliorhinus, Catulus, Scorpæna, Raja, Pagellus, and Serranus.

D. S. J.

**California Water Birds — No. IV** (*Proc. Cal. Acad. Sci. Zool.*, Vol. II, No. 3, 1900). — Mr. Leverett M. Loomis gives us the latest results of his studies on the migration of sea birds on the western coast of North America. The bulk of the paper consists of a detailed record of observations made at Monterey Bay and vicinity from Sept. 18, 1896, to Nov. 14 of the same year; but the portion of most interest, at least to the general zoölogist, is the discussion of the data obtained, and the conclusions drawn.

The following extracts will indicate not merely the results arrived at by the author, but as well the scope of his studies in this difficult but fascinating field; for the evidence on which the conclusions rest, the paper itself must be consulted.

"These investigations seem to prove (1) that the Shearwaters off Monterey find their position and shape their course by the landmarks; (2) that birds do not possess a mysterious superhuman faculty for determining direction, else the Shearwaters would not have been bewildered in the fog."

"It seems reasonable to conclude that young birds in the journey from their birthplace to the winter home of the species are dependent upon the guidance of the old birds who know the way, because they have traveled it."